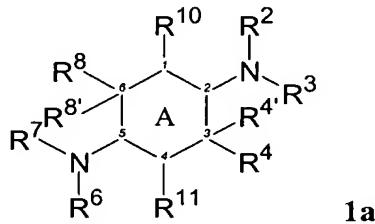


What is claimed is:

1. An organic electroluminescent device comprising at least one emitter layer which includes at least one 2,5-diaminoterephthalic acid derivative having formula **1a** :



wherein the ring A is a triply unsaturated benzene ring wherein R<sup>4</sup> and R<sup>8</sup> are omitted, or the ring A is an unsaturated ring having two isolated double bonds in the 1,2-position and the 4,5-position, and

R<sup>10</sup> is -CN or -C(=X<sup>1</sup>)-X<sup>2</sup>R<sup>1</sup>;

R<sup>11</sup> is -CN or -C(=X<sup>3</sup>)-X<sup>4</sup>R<sup>5</sup>;

X<sup>1</sup> and X<sup>3</sup>, which are the same or different, are oxygen, sulphur or imino;

X<sup>2</sup> and X<sup>4</sup>, which are the same or different, are oxygen, sulphur or substituted or unsubstituted amino;

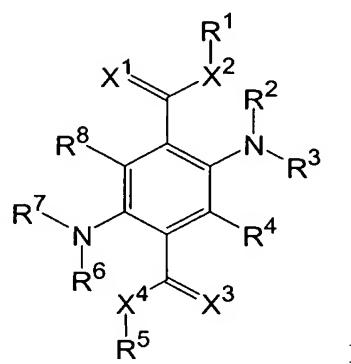
R<sup>1</sup> to R<sup>8</sup>, R<sup>4</sup> and R<sup>8</sup> are the same or different and are hydrogen, C1-C20 alkyl, aryl, heteroaryl, wherein aryl and heteroaryl can be substituted singly or multiply with the same or different radicals di-C1-C3-amino, C1-C10 alkoxy, C1-C4 alkyl, cyano, fluorine, chlorine and bromine as well as phenyl;

R<sup>4</sup> and R<sup>8</sup> can also be halogen, nitro, cyano or amino,

R<sup>2</sup> to R<sup>4</sup>, R<sup>6</sup> to R<sup>8</sup>, R<sup>4</sup> and R<sup>8</sup> can also be trifluoromethyl, 2-fluorophenyl, 3-fluorophenyl, 4-fluorophenyl, 2,4-difluorophenyl, 2,6-difluorophenyl, 2,3,4,5-tetrafluorophenyl or pentafluorophenyl; and

wherein the following radicals can form a saturated or unsaturated ring X<sup>1</sup> and X<sup>2</sup>, R<sup>1</sup> and R<sup>2</sup>, R<sup>2</sup> and X<sup>2</sup>, R<sup>2</sup> and R<sup>3</sup>, R<sup>3</sup> and R<sup>4</sup>, R<sup>4</sup> and X<sup>3</sup>, X<sup>3</sup> and X<sup>4</sup>, R<sup>5</sup> and X<sup>4</sup>, R<sup>6</sup> and X<sup>4</sup>, R<sup>6</sup> and R<sup>7</sup>, R<sup>7</sup> and R<sup>8</sup>, R<sup>8</sup> and X<sup>1</sup>, R<sup>3</sup> and R<sup>4</sup>, R<sup>7</sup> and R<sup>8</sup>, R<sup>4</sup> and R<sup>4</sup>, and R<sup>8</sup> and R<sup>8</sup>, to which ring further rings can be fused.

2. The device of Claim 1, wherein  $X^1$  and  $X^3$  are oxygen.
3. The device of Claim 1, wherein  $R^{10}$  and  $R^{11}$  are  $-CN$ .
4. The device of Claim 1, wherein the 2,5-diaminoterephthalic acid derivative has a formula 1 :



wherein  $X^1$  and  $X^3$  are the same or different atoms or groups, oxygen, sulphur or amino;

$X^2$  and  $X^4$  are the same or different atoms or groups, oxygen, sulphur or amino, wherein the amino nitrogen can be substituted;

$R^1$ ,  $R^2$ ,  $R^5$  and  $R^6$  are the same or different and are hydrogen, C1-C20 alkyl; aryl, substituted aryl, heteroaryl, or substituted heteroaryl;

$R^4$  and  $R^8$  are the same or different and are hydrogen, C1-C20 alkyl, halogen, nitro, cyano, amino, aryl, substituted aryl, heteroaryl, or substituted heteroaryl; and

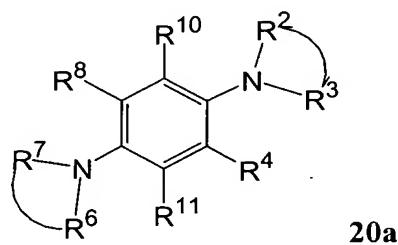
$R^3$  and  $R^7$  are the same or different and are aryl, substituted aryl, heteroaryl, or substituted heteroaryl.

5. The device of Claim 4, wherein  $R^3$  and  $R^7$  are the same or different and are aryl or substituted aryl.

6. The device of Claim 5, wherein  $R^3$  and  $R^7$  are the same or different and are phenyl, substituted phenyl, naphthyl or substituted naphthyl.

7. The device of Claim 6, wherein R<sup>3</sup> and R<sup>7</sup> are the same or different and are phenyl substituted singly or multiply with the same or different radicals selected from di-C1-C3-amino, C1-C10 alkoxy, C1-C4 alkyl, cyano, fluorine, chlorine, bromine and phenyl.

8. The device of Claim 1, wherein the 2,5-diaminoterephthalic acid derivative has a formula 20a :



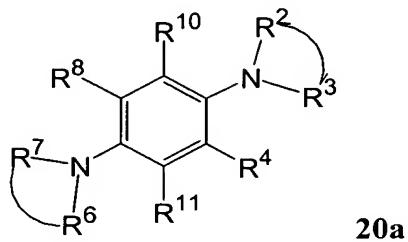
wherein R<sup>2</sup> and R<sup>3</sup> are members of a 5- or 6-membered ring, forming a saturated or unsaturated heterocycle; and

R<sup>6</sup> and R<sup>7</sup> are members of a 5- or 6-membered ring, forming a saturated or unsaturated heterocycle.

9. The device of Claim 8, wherein R<sup>2</sup> and R<sup>3</sup> are members of a 5- or 6-membered ring, forming a saturated heterocycle; and

R<sup>6</sup> and R<sup>7</sup> are members of a 5- or 6-membered ring, forming a saturated heterocycle.

10. A 2,5-diaminoterephthalic acid derivative having a formula **20a** :



wherein  $R^2$  and  $R^3$  are members of a 5- or 6-membered ring, forming a saturated or unsaturated heterocycle;

$R^6$  and  $R^7$  are members of a 5- or 6-membered ring, forming a saturated or unsaturated heterocycle;

$R^4$  and  $R^8$  are the same or different and are hydrogen, C1-C20 alkyl, halogen, nitro, cyano, amino, aryl, substituted aryl, heteroaryl, or substituted heteroaryl

$R^{10}$  is  $-CN$  or  $-C(=X^1)-X^2R^1$ ;

$R^{11}$  is  $-CN$  or  $-C(=X^3)-X^4R^5$ ; and

$R^1$  and  $R^5$  are the same or different substituents and are hydrogen, C1-C20 alkyl; aryl, substituted aryl, heteroaryl, or substituted heteroaryl;

11. The 2,5-diaminoterephthalic acid derivative of Claim 10, wherein  $X^1$ ,  $X^2$ ,  $X^3$  and  $X^4$  are oxygen and  $R^1$  and  $R^5$  are the same or different and are C1-C4 alkyl.

12. The 2,5-diaminoterephthalic acid derivative of Claim 10, wherein  $R^{10}$  and  $R^{11}$  are  $-CN$ .

13. The 2,5-diaminoterephthalic acid derivative of Claim 10, wherein  $R^4$  and  $R^8$  are hydrogen.